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NATIONAL NEWS
White House welcomes top spellers
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SPORTS
Albert Pujols hits 700th home run
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ANIMALS
Study looks at dogs' love for owners
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Making sense of the world

THE WEEK Junior

THE BEST MAGAZINE FOR CURIOUS KIDS

SHOULD ELECTION DAY BE A NATIONAL HOLIDAY?

What do YOU think? Have your say in our big debate p8

✔ It would help more people exercise their right to vote.

✘ It would be a huge hassle and wouldn't increase turnout.

DID YOU KNOW?
Hurricanes form over warm ocean waters, and most stay out at sea and remain harmless.

A flooded street in Puerto Rico

Feeding people in need

José Andrés

Within 48 hours of Fiona striking Puerto Rico, World Central Kitchen had arrived and served 10,000 meals. The nonprofit, which was created by chef José Andrés to feed people after disasters, also brought food to parts of the Dominican Republic. The group will stay in the area until there is no further need.

Hurricane leaves trail of damage

Over a period of more than 10 days, a massive storm devastated several islands in the Caribbean Sea before marching north to pound eastern Canada. At its strongest, Hurricane Fiona was a Category 4 hurricane with sustained winds up to 130 miles per hour.

What happened?

Fiona formed over the Atlantic Ocean and entered the Caribbean on September 16, strengthening into a hurricane before slamming Puerto Rico on September 18. Fiona struck the Dominican Republic the next day, then hit the islands of Turks and Caicos on September 20, after which it reached its maximum strength as a Category 4 hurricane. (Category 5 is the strongest.) Fiona churned north, brushing against Bermuda before slamming into the Canadian Maritime region as a post-tropical cyclone on September 23.

Fiona first made landfall in this area.

What happened in Puerto Rico?

Fiona dropped more than 32 inches of rain in parts of Puerto Rico, which is a US territory. The storm triggered flash floods and mudslides that damaged and destroyed buildings and blocked roads. The Puerto Rican government said that as many as 16 people died in the storm or its aftermath. The hurricane knocked out power on the entire island, and outages were ongoing for about 750,000 households a week after the storm. Several hospitals were operating on emergency generators, and water facilities without power were shut down, leaving about 760,000 customers without running water or with limited water. The island's electrical grid is still fragile since being devastated by Hurricane Maria in 2017, after which it took a year to fully restore power. The US government had set aside nearly $13 billion to rebuild the system, but the work was not finished.

What happened elsewhere?

In the Dominican Republic, the storm triggered mudslides and forced popular resorts to close. Fiona caused floods on Turks and Caicos and swept close enough to Bermuda to leave most of the island without power. The storm was downgraded to a post-tropical cyclone before it made landfall in eastern Canada. There, it swept away houses, ripped off roofs, snapped power poles, and knocked out power for nearly 500,000 customers. On September 25, the storm headed out to sea, whipping up large waves and dangerous rip currents.

How are people being helped?

President Joe Biden declared a federal emergency in Puerto Rico, and the US government immediately sent thousands of National Guard members to help. They joined members of Puerto Rico's National Guard and began to rescue stranded people and distribute fuel to run generators in hospitals, supermarkets, and water facilities. Aid organizations gave out food to people in need, while other workers brought water-purification units capable of pumping as many as 300 gallons of clean water per hour. Volunteers traveled to Puerto Rico from Arkansas, Wisconsin, Maine, and many other US states to help distribute supplies and begin the cleanup process.

What will happen next?

When *The Week Junior* went to press, federal and local officials and rescue workers had fanned out across Puerto Rico to assess the damage and begin repair efforts. Cleanup was also taking place on other islands. In Canada, crews were working to restore power for more than 284,400 customers. Meanwhile, another powerful storm, Hurricane Ian, was making its way toward Florida after dumping up to 16 inches of rain and causing flash flooding in Cuba. Millions of residents living along Florida's coast were advised to evacuate.

Results of shorter work week trial

In June, more than 70 UK companies began the world's largest-ever pilot program to try out a shorter work week. Results released on September 21, halfway through the six-month trial, showed significant improvements in productivity and happiness among workers.

Led by the nonprofit group 4 Day Week Global, the study gives more than 3,300 participating employees one extra day off a week. They receive the same pay but work 32 hours instead of the usual 40 and are responsible for the same amount of work. Advocates have argued for years that fewer hours on the job leads to better work-life balance for employees and benefits for companies.

Three months into the trial, 41 companies reported results. Of those, 88% said the shorter week was working "well," and 49% said productivity had improved. Joe O'Connor, head of 4 Day Week Global, said the trial is "transforming the world of work for all of us." A similar effort in Iceland was very successful, and other countries are also testing out the four-day work week.

Workers are testing four-day weeks.

SYMBOLIC SHAPE
The round challah bread eaten on Rosh Hashanah symbolizes the cycle of years and seasons.

Apples, honey, and pomegranates on a Rosh Hashanah table

Jewish holidays observed

Jewish people around the world are celebrating the High Holidays. They began with Rosh Hashanah, the start of the Jewish New Year, from September 25–27, and will end with Yom Kippur on October 4–5. In Judaism, this is a period of self-reflection, atonement, and prayer.

On Rosh Hashanah, Jewish people gather in synagogues (places of worship) for prayer and the blowing of the shofar, an instrument made from a ram's horn. Families eat traditional foods such as brisket (a beef dish), challah bread, and apples dipped in honey to symbolize a sweet new year.

In Judaism, Rosh Hashanah is when God considers how a person has behaved and records their deeds in the Book of Life. This marks the start of 10 days of reflection, when Jewish people consider their actions of the past year and seek forgiveness for anything they've done wrong or anyone they've offended. The book is sealed again on Yom Kippur, the Day of Atonement and the holiest day of the year. On Yom Kippur, many Jews pray and fast (do not eat or drink) for 25 hours.

For many, this will be the first in-person celebration of the holidays since the start of the Covid-19 pandemic. Rabbi Claudia Kreiman, from Temple Beth Zion in Brookline, Massachusetts, said it's a chance to become "physically and spiritually" close again. "The High Holidays are such a gift of new possibilities, of change, of starting anew, of reflecting, of reconnecting," she said. The first-ever Rosh Hashanah reception at the White House was also set to take place on September 30.

IT'S AN AMAZING WEEK FOR...

A FRESH COAT OF PAINT

California's famous Hollywood sign is getting a makeover. Workers will cover the giant letters with 400 gallons of white paint for the 100th anniversary of what one organizer called "the pride of Los Angeles," to be celebrated in 2023.

The sign

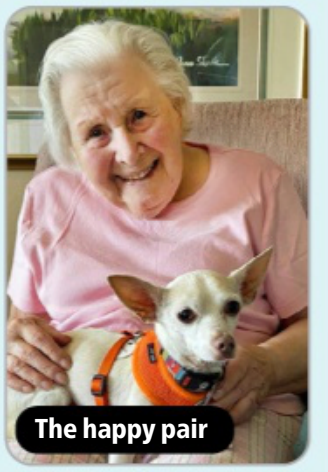
Celebrating after the game

RECORD-SETTING FUN

Students at the University of California, Irvine, won a Guinness World Records title by playing a huge game of red light/green light. As part of a Welcome Week tradition, 1,415 students played the classic game to beat the previous record of 1,203 participants at Willamette University.

A PERFECT MATCH

Dog lover Johanna Carrington, age 100, adopted an 11-year-old Chihuahua mix named Gucci. Carrington wanted a new pet but wasn't sure an animal shelter would let someone her age adopt. A facility for elderly dogs was happy to match her with Gucci, however. The dog jumped on her lap as soon as the two met, and he has stayed close ever since. "I just love him," Carrington said.



The happy pair

ON THE COVER: GETTY IMAGES (3); ON THIS PAGE: GETTY IMAGES (3); @UCIRVINE/TWITTER; COURTESY DEBBIE CARRINGTON; ON THE LEFT PAGE: GETTY IMAGES (3)

DID YOU KNOW?
In 1929, a law was passed that set 435 as the maximum number of lawmakers the House of Representatives could have.

Former Vice President Mike Pence and House Speaker Nancy Pelosi on January 6, 2021

Election campaigns begin

In October, lawmakers in the House of Representatives, who serve two-year terms, return to their home states to campaign for the midterm elections, to be held on November 8. All 435 seats in the House are up for election, along with 34 seats in the Senate and numerous other federal, state, and local offices.

House passes overhaul of electoral count

On September 21, the House of Representatives (one half of Congress,which makes laws) voted to update the nation's 135-year-old Electoral Count Act. The law, called the Presidential Election Reform Act, would prevent future candidates from trying to overturn Presidential election results. The vote was 229–203, with nine Republicans voting yes alongside 220 Democrats.

What happened?

The bill's goal is to update how Congress handles electoral votes cast by states in Presidential elections. The Constitution (highest US law) requires Congress, led by the Vice President, to count and certify the electoral votes. This was a ceremonial process until the US Capitol was attacked on January 6, 2021. The new law states that the Vice President would have no ability to influence the count, among other measures.

What happened on January 6, 2021?

In the November 2020 Presidential election, Joe Biden defeated Donald Trump by an electoral vote count of 306–232. Trump, however, disputed the result. When the time came in January for Congress to certify the electoral votes, Trump wanted Vice President Mike Pence to reject the electoral count. Pence refused and he allowed the electoral count to continue. On the same day, after Trump led a rally of his supporters on the National Mall, thousands of people went to the US Capitol, rioted, and broke in. At least seven deaths were connected to the uprising, and about 140 Capitol police officers were injured.

What was the reaction to the bill?

Supporters said the bill was a way to ensure that election results are approved without interference. "Ultimately, this bill is about protecting the will of the American voters," said Zoe Lofgren, a Democratic House member from California and co-sponsor of the bill. Many Republicans said the bill is an attempt to give more control over Presidential elections to the US government at the expense of the states.

What will happen next?

The bill will go to the Senate (other half of Congress), where lawmakers have proposed a similar bill. The two chambers must try to compromise and come up with one version, which could take time. Some lawmakers are hopeful that the bill could pass by the end of the year.

WORD OF THE WEEK

CENTENARY

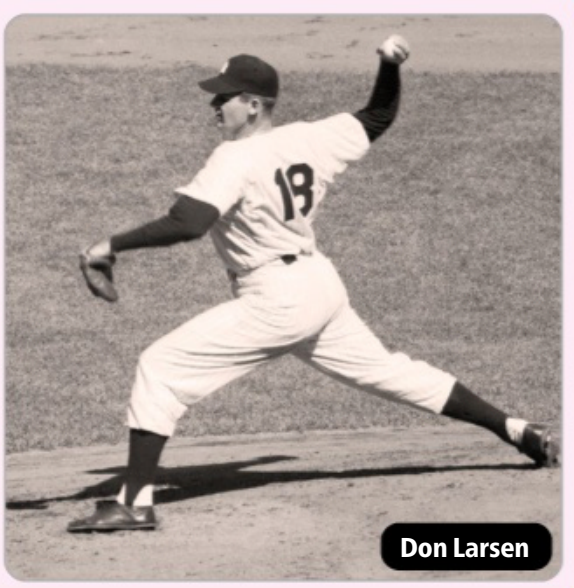
In 2023, the Hollywood sign will celebrate its 100th birthday, which is also known as a "centenary." This word comes from the Latin *centarius*, meaning "containing a hundred," which is a relative of our monetary unit the "cent," equal to 100th of a dollar.

THE WEEK IN HISTORY

October 8, 1956

Perfect World Series game is pitched

On October 8, 1956, New York Yankee Don Larsen pitched the first and only perfect game in a World Series (Major League Baseball championship) against the Brooklyn Dodgers. A perfect baseball game is when a pitcher doesn't let any players on base, and there have been only 23 in MLB history. Larsen threw 97 pitches, and after he struck out the last batter, players leaped into his arms to celebrate.



Don Larsen

A monument at an internment camp

City apologizes for past injustice

The city of San Diego, California, officially apologized to those who were affected by an order it issued during World War II (1939–45), when the US was fighting Japan. The city forced people in San Diego who were of Japanese descent to be sent to internment camps and imprisoned there. More than 1,900 residents were removed from their homes. Council President Sean Elo-Rivera said it's important to identify and address injustices of the past.

The winners with Jill Biden

Bee winners visit White House

First Lady Jill Biden invited Harini Logan and Zaila Avant-garde, the 2022 and 2021 Scripps Spelling Bee Champions, to tour the White House. When the students arrived, they were greeted by a surprise: large cutouts of their winning words displayed on the South Lawn. Logan won by spelling the word "moorhen" correctly, and Avant-garde won for the correct spelling of "murraya."

The show in New York City

Hit musical to depart Broadway

After 35 years, *The Phantom of the Opera* will end its Broadway run in New York City. The award-winning musical is the longest-running show in Broadway history. Composed by Andrew Lloyd Webber, it tells the tale of a musical genius who haunts the Paris Opera House. The final show, to take place on February 18, 2023, will be its 13,925th performance.

GAME ON Texas, California, and Ohio were the states with the most students participating in sports during the 2021–22 school year.

Participation in adaptive sports increased.

School sports survey results released

A report of how many high school students are participating in sports has been released by the National Federation of State High School Associations (NFHS). The NFHS is an organization that advocates for high school athletics. It surveyed schools for the first time since before the pandemic.

The results showed a total of 7,618,054 students participating in high school sports during the 2021–22 school year. This is about 4% fewer athletes than the number of participants during the 2018–19 school year. The number is made up of 4,376,582 boys and 3,241,472 girls.

Because many schools were unable to offer regular sports programs during the pandemic, Dr. Karissa Niehoff, the top leader of the NFHS, said that a decline of only 4% was "remarkable."

For boys, the most popular sport in terms of participants was 11-player football, with nearly one million boys playing. Even though football was the top sport among boys, total participation declined by 3%. However, the number of boys playing six-, eight-, and nine-player football increased by 12%. The second most popular sport for boys was outdoor track and field, followed by basketball.

Volleyball was the only top sport to see an increase in participation among girls, with 454,153 participants. It was the second most popular overall sport for girls, behind outdoor track and field. The third most popular sport among girls was soccer. It edged out basketball, which came in fourth.

Outdoor track and field was popular among boys and girls.

There was a large increase in the number of participants playing unified sports, in which players with intellectual disabilities play alongside athletes without intellectual disabilities. Adaptive sports, which are for students with physical disabilities, made gains as well. The survey found that more than 55,000 students participated in unified or adaptive sports.

THE WEEK'S SILLIEST HEADLINE

"Philadelphia woman catches raccoon lounging in her hammock" *UPI*

GETTY IMAGES (4); OFFICIAL WHITE HOUSE PHOTO BY ERIN SCOTT; ALAMY; ON LEFT PAGE: GETTY IMAGES (4)

Around the world

United Kingdom
Queen's ledger stone revealed

Buckingham Palace has released a photo of the ledger stone (gravestone) that marks the final resting place of Queen Elizabeth II in King George VI Memorial Chapel in Windsor Castle. The Belgian black marble stone is etched with the names of the queen; her husband, Prince Philip; and her parents, George VI and Elizabeth. All four are buried there. The queen, the UK's longest reigning monarch, died on September 8.

Paris, France
Government spends big on bike riding

The French government is encouraging more people to get on their bicycles. It is spending approximately $249 million to promote cycling as a healthy and environmentally friendly way to travel. The money will pay for new bike lanes and bike-riding lessons for 800,000 children. Cycling in cities has become more popular in recent years, and the government hopes the plan will encourage more people in the countryside to bike, too.

South Africa
Local team joins solar car race

A local South African team that builds electric cars to inspire kids to get involved in science, technology, engineering, and math (STEM) took part in its first international solar-powered car race. The SolarFlair team built a car for the Sasol Solar Challenge. Teams from around the world used the sun's energy to power cars from Johannesburg to Cape Town, a distance of more than 1,500 miles.

Denmark
Underwater tunnel in progress

A tunnel linking Denmark and Germany is being built about 130 feet under the Baltic Sea. The Fehmarnbelt Fixed Link, scheduled to open in 2029, will be approximately 11.2 miles long with two highways and two rail lines. The tunnel is one of Europe's largest construction projects and will be the longest tunnel combining road and rail.

Bogotá, Colombia
Designer dresses VP

Fashion designer Esteban Sinisterra, whose dresses have drawn acclaim from the global fashion community, has been tasked with dressing Colombia's new vice president, Francia Márquez. Sinisterra and Márquez grew up in the same region of Colombia, and both are Afro-Colombian. "In one way or another, her history and my history are similar," said Sinisterra, "so I think there was a very lovely spark there."

COURTESY A/S; REUTERS; GETTY IMAGES (8); SHUTTERSTOCK; AK PHOTO

Around the world

Tutankhamun's tomb

Luxor, Egypt
Hidden hieroglyphics found

Newly discovered hieroglyphics (the writing system used in Ancient Egypt) suggest King Tutankhamun's tomb has a secret door to the burial place of his stepmother, Queen Nefertiti. Experts believe the discovery could show the king's remains were placed in the burial chamber occupied by Nefertiti. Tutankhamun ruled Egypt until he died in 1323 BCE.

Protesters are arrested.

Russia
Russians protest military draft

People across Russia have been protesting against the government's draft (requirement of civilians to join the army) for its war in Ukraine. The government said about 300,000 men will be required to join, and delivered draft notices to homes across the country. Police have arrested more than 700 protesters in 32 cities. The protests are seen as a sign of the public's unhappiness with Russia's invasion of Ukraine.

Roads were flooded.

Philippines
Typhoon causes extensive damage

Typhoon Noru has struck the Philippines, with winds reaching up to 149 miles per hour, leaving homes flooded and millions of people without electricity. A typhoon is a type of tropical storm that forms over the Northwest Pacific Ocean. At least five people died and more than 74,000 people were evacuated from their homes. The government ordered supplies and cleanup equipment to be sent to communities most affected by the typhoon.

Eshwar Tiwari

India
Breakdancer heads to world finals

When Eshwar Tiwari from Mumbai was 14, he practiced breakdancing in secret because it wasn't seen as a good career choice. Now 24, he will represent India at a world breakdancing championship in New York later this year. Tiwari said he is happy to see breakdance included as a sport in the 2024 Olympics. "We should believe in ourselves and stay positive in life," he said.

Bushenyi, Uganda
New uses for dung

A group of women in Bushenyi district, Uganda, are making household items out of elephant dung (poop). The Kataara Women's Group dries, cooks, and washes the dung, then dries it again in the sun. After that, it gets put into a machine where it is smoothed out into paper. The paper is used to make bags, books, cards, and jewelry. The items are then sold to earn money for members of the group.

Elephant dung is made into paper items.

Should Election Day be a national holiday?

Voting is an important part of American society. Does it deserve a whole day off?

What you need to know

- **An 1845 law made all US national elections on the Tuesday following the first Monday in November.**
- **Election Day is a holiday in 19 states, including Delaware, Hawaii, Kentucky, New York, and Virginia.**
- **Making it a federal holiday would mean many schools, banks, and other businesses would close for the day and still pay most workers.**
- **A 2018 survey found that 65% of Americans were in favor of making Election Day a national holiday.**

Every two years, Americans go to the polls on Election Day to vote for members of the US Congress. Every four years, they also vote for the next President. Compared to other countries, US voter turnout is low. Only about 67% of eligible people voted in 2020, for example, and 53% in 2018. Although mail-in and early voting are available in some places, voting in many towns requires going to a school or library—which is difficult for some people because of work or other commitments. To solve that, some lawmakers want to make the day a federal holiday. Others say there are better solutions. What do you think? Should Election Day be a national holiday?

Yes—it would improve our democracy

In four recent US elections, schedules were the top reason registered voters said they did not vote. Many working Americans can't get to the polls, wait in long lines, and cast their votes before or after work or during a lunch break. Making Election Day a federal holiday would make it easier for everyone to exercise their right to vote. That would increase overall voter turnout. In nations that have made the day a holiday, such as South Korea and Australia, participation is much higher. Making Election Day a holiday would also send a message about the importance of voting and serve as a reminder that it's a civic responsibility.

No—it's a hassle that doesn't really help

Creating a new holiday would force schools and businesses to adjust their schedules. It would affect mail delivery, banking, and other services. And, as on other federal holidays, many essential workers at hospitals, grocery stores, and other places that remain open would still have to go to their jobs and, if they have kids, find childcare because schools are closed. It wouldn't be any easier for those workers to vote. Plus, lines at polling places could be even longer as more people vote on the same day. There are other ways to increase voter turnout, such as expanding early and mail-in voting, that would be better for the nation.

YES Three reasons why Election Day should be a national holiday

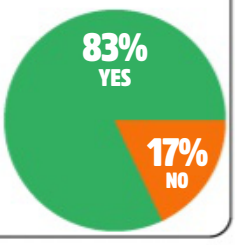
1. **Many people can't get to the polls on a Tuesday. A holiday would make it easier for them to exercise their right to vote.**
2. **If more people could get to the polls, the low US voter turnout would improve.**
3. **Creating a federal holiday would send a message to Americans that voting is an important civic responsibility.**

NO Three reasons why Election Day should not be a national holiday

1. **Holiday closures would create scheduling issues for schools and businesses and inconvenience many people.**
2. **Many essential workers wouldn't be able to take the day off, which means they could still be left out of voting.**
3. **Polling places would be even more packed on Election Day than they are now.**

LAST WEEK'S POLL

Last week, we asked if school lunch periods are too short. Your answers were a real lesson about lunchtime: 83% of you said yes, and 17% said no.



What do you think?

Now that you've read a bit more about this issue, have a parent or guardian visit theweekjunior.com/polls with you so you can vote in our debate. Vote YES if you think Election Day should be a national holiday or NO if you don't. We'll publish the results next week.

The goal of the big debate is to present two sides of an issue fairly in order to stimulate discussion and allow our readers to make up their minds. The views on this page do not reflect those of *The Week Junior*, and the page is not funded by third parties.

GETTY IMAGES

Based on real life

Lauren Graham's childhood inspired her TV roles as a single parent.

For more than 20 years, actress Lauren Graham has been a familiar face on TV for her roles playing dynamic single mothers. In the new season of the Disney+ series *Mighty Ducks: Game Changers*, she also plays a single mother, one who coaches her son's junior hockey team.

Mighty Ducks: Game Changers is a reboot of the hit *Mighty Ducks* films of the 1990s. It follows a 12-year-old boy named Evan, whose mom, Alex (played by Graham), encourages him to form a team of underdogs after he is cut from his powerhouse hockey team. Season two premiered on Disney+ on September 28, with Alex as the team's new coach.

Graham's new series

Graham, age 55, was born in Hawaii but grew up in Virginia. She is most famous for her role in the hit 2000s TV show *Gilmore Girls*. Graham played Lorelai Gilmore, a young single mom raising her teen daughter in a small town in Connecticut. Years later, she played a single mom in the popular show *Parenthood*.

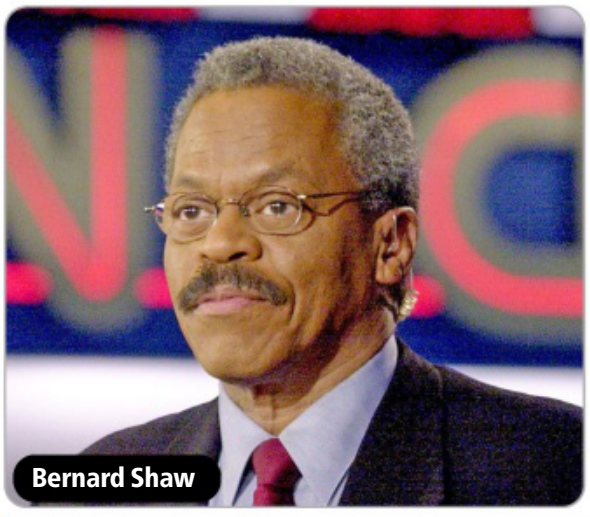
Graham's work as an actor playing characters who are single parents was greatly influenced by the fact she was raised by a single dad. She once said in a 2016 interview, "The experience taught me there is no one way to parent or to be a family."

As similar as Alex in *Mighty Ducks: Game Changers* is to Lorelai in *Gilmore Girls*, Graham also sees differences. "Lorelai certainly comes in with confidence," she told *E News!*, while Alex is "a little bit of an underdog...someone who's still got some growing to do."

FUN FACT
Lauren Graham's father, Larry Graham, is in the Candy Hall of Fame for his decades of work in the sweets industry.
Lauren Graham

Honoring an anchor

Pioneer broadcast journalist Bernard Shaw died last month at age 82. One of the first Black TV news anchors, Shaw was CNN's first chief anchor when the news channel launched in 1980. He stayed at CNN for 20 years until he retired in 2001. Born in Chicago, Illinois, Shaw served in the Marines before breaking into news media, first as a radio reporter and then as an on-air political reporter. He is remembered for asking hard-hitting questions and covering memorable events, from Presidential elections to wars.


Bernard Shaw

Wyatt Shield

Sharing his story

When 6-year-old Wyatt Shield was born, he had six fingers on each hand due to a birth condition called polydactyly. Doctors told Shield's parents that he might never learn to write correctly, so they opted to have surgery at Shriners Children's Hospital in Missouri to remove the extra fingers. Now in the first grade, Shield has no issues writing and has turned his story into a children's book, *Wyatt's Big Adventures with Shriners,* about his medical journey. He told reporters that he wrote the book "to prove that little kids can do big things and tell other kids it's OK to be different."

OVERHEARD

"I am here to tell you that this is what believing looks like. And don't you ever, ever give up on you."

Sheryl Lee Ralph, age 66, who won the Outstanding Actress Emmy (top TV award) for her performance in *Abbott Elementary*.

GETTY IMAGES (3); DISNEY; AMANDA SHIELD

DID YOU KNOW?
Dogs have three eyelids per eye. The third one keeps the surface of their eyes protected.

Your dog is teary with happiness to see you.

Dogs relax to music

Playing classical music has a calming effect on dogs, according to new research. Scientists at Queen's University in Belfast, Northern Ireland, found that when classical music was played to dogs who were home alone, they settled down much more quickly than when they listened to audiobooks or nothing at all.

Comforting classical music

Study shows dogs cry from joy

Dogs are often thought of as loyal and loving creatures, but a recent study has revealed just how much dogs love their owners.

Researchers from Azabu University and Jichi Medical University in Japan have discovered that dogs can cry tears of joy when they are reunited with their owners. In the experiment, the researchers first measured how many tears were produced by 18 dogs when they were just spending time at home with their owners. They did this by conducting a "tear test." They put a thin strip of special paper in the dogs' lower eyelids and then measured how much moisture from tears soaked into the paper. The team then repeated the experiment, this time with dogs that were reunited with their owners after being apart for five or more hours. The results showed that the dogs only shed tears during the reunions.

Dog tears make us care more.

Professor Takefumi Kikusui, one of the researchers, got the idea for the experiment after noticing that his own poodle had tears in her eyes after she had given birth to puppies. This suggested that the tears were related to emotions, specifically to a hormone (a substance in the body that controls different activities) called oxytocin. This is nicknamed the "cuddle hormone," and the researchers predicted that it was released when dogs saw their owners, causing them to feel love and affection. The researchers tested their theory by putting a solution containing oxytocin in the dogs' eyes. It made them produce more tears, proving for the first time that the dogs' tears were linked to oxytocin and emotions.

The researchers also found that owners who saw their dogs with tears in their eyes felt a greater desire to take care of them. The team now wants to find out if dogs have a similar emotional response when they are reunited with other dogs. "We need to clarify the social function of dog tears," Kikusui said.

PLACE OF THE WEEK

Franconia Notch State Park, New Hampshire

Franconia Notch State Park in New Hampshire is nestled between the tall peaks of the Kinsman and Franconia mountain ranges. The eight-mile mountain pass in the White Mountain National Forest is home to natural and man-made wonders such as the Flume Gorge and the Cannon Mountain Aerial Tramway. When it opened in 1938, the tramway—a cable car that carries riders over the mountain's peak—was the first passenger aerial tramway in North America. From there you can see Echo Lake, and you might spot peregrine falcons in the sky or a moose down below.

A moose

FAST FLAPPERS
Honeybees can beat their wings 200 times per second.

Honeybees see more than a flower's color.

Bees can identify flowers by pattern

Honeybees can tell different flowers apart based on their patterns of colors and not just their colors alone, according to new research led by the University of Exeter in the UK.

Honeybees have weaker vision than humans, so they can make out flower patterns from only a few centimeters away. In laboratory tests, the researchers developed images similar to what bees might see when looking at flowers, and then found that the bees were consistently able to recognize patterns in the images.

The researchers say that understanding how insects can see colors and color patterns can shed light on how these insects influence the evolution (the development of an animal or plant slowly over time) of flowers. For instance, in the study, bees rarely ignored patterns. If flower color is less important for attracting bees, this may explain why some colors that are visible to bees have never developed in flowers in nature. Bees play a key role in creating new flowers by carrying pollen from one flower to another to create new seeds, a process called pollination.

Animal of the week: African penguin

Lucas, a 4-year-old African penguin at the San Diego Zoo in California, has been fitted with specially made boots, after an infection made it difficult for him to walk. Zoo officials say Lucas's walking has improved since he got the boots.

- **LIFE SPAN:** About 18 to 22 years in human care
- **HABITAT:** Rocky coastal areas in southwest Africa
- **SIZE:** Up to 27 inches tall and 11 pounds
- **DIET:** Sardines, anchovies, and squid
- **FUN FACT:** An African penguin can dive more than 400 feet underwater.

Good week / Bad week

Large blue butterflies

Large blue butterflies are breeding at the highest recorded levels in 150 years in parts of southwest England. The species went extinct in England in 1979, but caterpillars brought over from Sweden four years later helped reintroduce them.

Dugongs

Researchers say that dugongs have gone functionally extinct in China, where there have been no confirmed sightings since 2000. Hunting and habitat loss are two reasons for their disappearance. Globally, they are vulnerable to extinction.

Ask a zookeeper: "Why do rhinos charge?"

Iris, 11, Nevada

Jason Faessler
Hoofstock keeper,
Nashville Zoo

Rhinos charge to defend their territory from other rhinos, but they also charge when they feel threatened or scared. Rhinos don't like to be surprised. They have poor eyesight and startle easily. But rhinos are, in fact, very gentle and usually charge just to scare another animal away.

A rhino

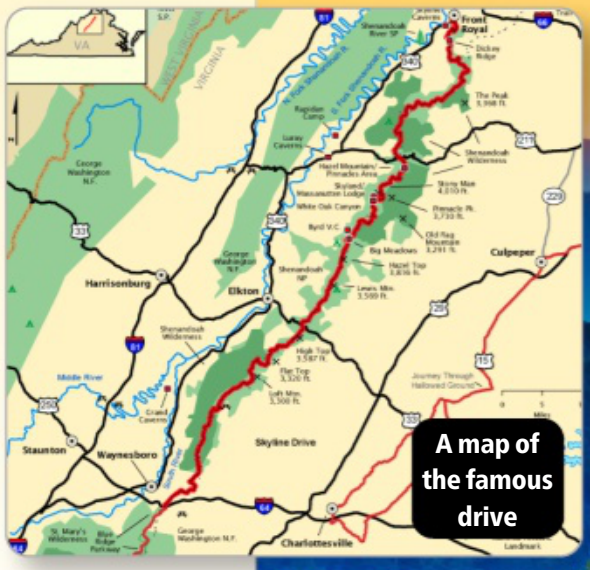
Do you have a question for a zookeeper? Send it to *hello@theweekjunior.com*. Find out more about the Nashville Zoo at nashvillezoo.org.

GETTY IMAGES (5); COURTESY OF THE SAN DIEGO ZOO WILDLIFE ALLIANCE; ON LEFT PAGE: GETTY IMAGES (4); ALAMY

A scenic road high

Every year, more than a million people take a stunning drive rich in history.

October, when fall leaves turn gold and red, is the most popular time of year to travel a famous road in Virginia called Skyline Drive.



A map of the famous drive

What is Skyline Drive?

It's the only public road through Shenandoah National Park, which occupies 2,000 acres and is home to black bears, deer, songbirds, and other wildlife. The road runs 105 miles across the Blue Ridge Mountains, which are part of the Appalachian mountain range. Along the drive, there are trailheads, visitor centers, and 75 overlooks with campgrounds. In good weather, it takes about three hours to drive the entire length.

President Franklin Roosevelt

How it was created

In 1924, the US government appointed a committee to study sites for a new national park in the eastern US. After settling on the location, committee member William C. Gregg suggested a road along the mountain top (the skyline). On July 18, 1931, ground was officially broken for Skyline Drive. The Civilian Conservation Corps, a work relief program created by President Franklin Roosevelt, helped build the drive, which included chestnut log guardrails for safety. It took three months in 1932 to drill and blast solid granite to create Marys Rock Tunnel, a passage through the mountain. In 1939, thanks to the labor of more than 4,000 workers, Skyline Drive was complete.

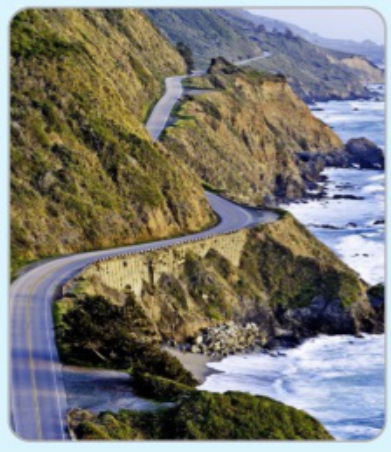
Marys Rock Tunnel

DID YOU KNOW?
There are 140 national parks and national monuments in the US.

GREAT GETAWAY
While Herbert Hoover was President (1929–1933), he had a camp built in Shenandoah National Park and used it as a retreat from the White House.

3 more US drives

Scenic and historic roads can be found throughout the US. Here are some famous drives across the country, from the West Coast to the East Coast.



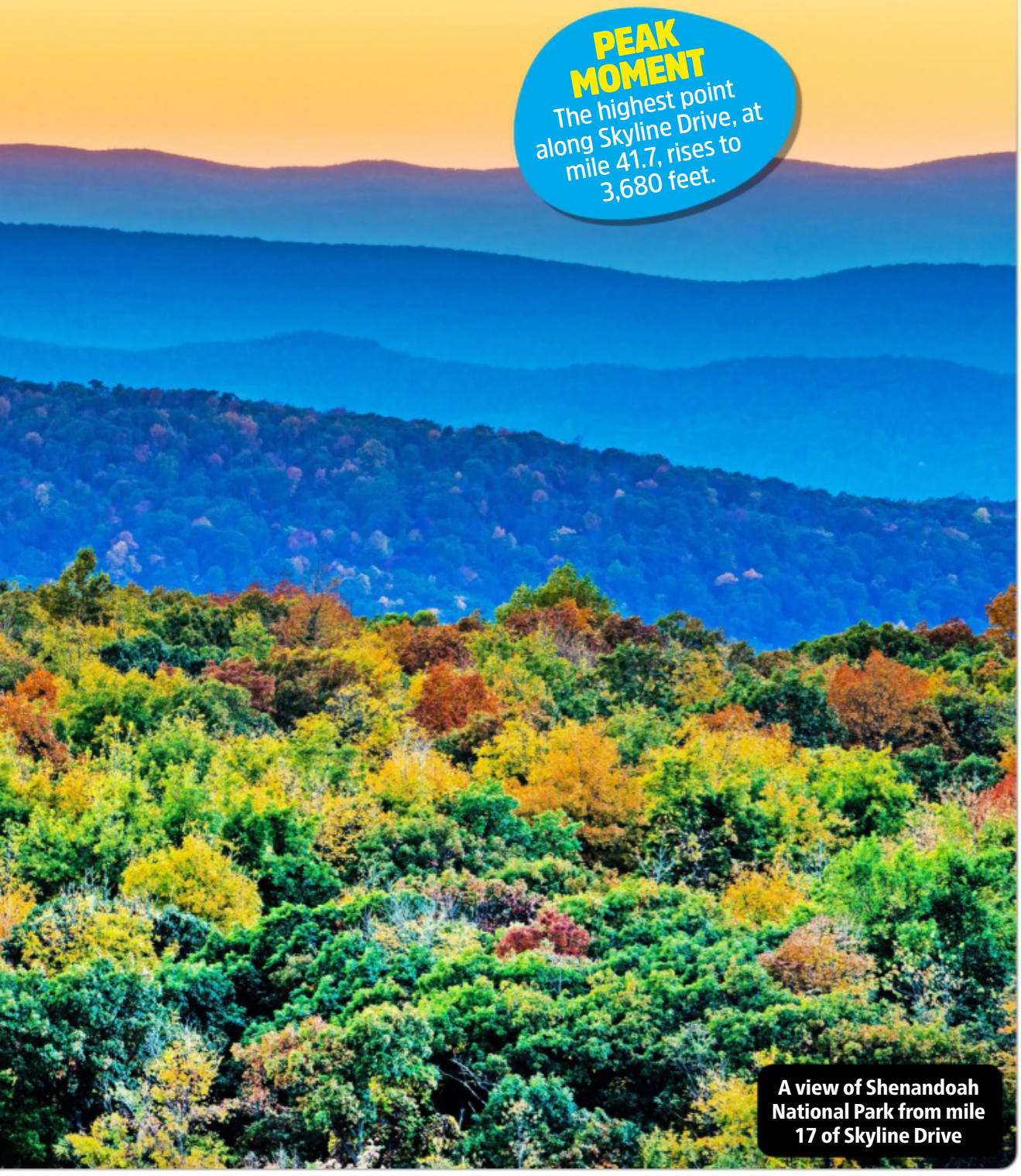
Pacific Coast Highway

Pacific Coast Highway runs for 656 miles along the coast of California. Travelers can enjoy views of the Pacific Ocean while keeping an eye out for dolphins swimming or elephant seals sunning on beaches.

GETTY IMAGES (8); U.S. DEPARTMENT OF TRANSPORTATION/FEDERAL HIGHWAY ADMINISTRATION

in the mountains

PEAK MOMENT
The highest point along Skyline Drive, at mile 41.7, rises to 3,680 feet.



A view of Shenandoah National Park from mile 17 of Skyline Drive

Dark Hollow Falls

Becoming a destination

As driving grew more widespread throughout the1940s and 1950s. Skyline Drive became a must-see destination. Visitors flocked to the road for its views and picnic spots and to hike trails to spectacular sights like Dark Hollow Falls. In 1997, Skyline Drive was added to the National Register of Historic Places, an effort to protect America's historic and archaeological resources. In 2005, it was designated a National Scenic Byway by the US Department of Transportation, which recognizes, protects, and promotes America's most outstanding roads. In 2008, Skyline Drive was named a National Historic Landmark.

Taking the drive

Like most US national parks, Shenandoah National Park is open 24 hours a day, seven days a week. Skyline Drive may be closed during bad weather, but visitors can still enter the park on foot. The route includes four different entrances. Although the chestnut guardrails rotted in the 1950s and were never replaced, mileposts (cement posts that list the route mile) line the west side of the drive and note areas of interest. The speed limit is a maximum of 35 miles per hour, which encourages visitors to slow down, look out for wildlife, and take in the views. There is a gas station along the route, and in recent years two electric charging stations were added. Today, Skyline Drive receives about 1.4 million visitors every year.

Route 66

Route 66 stretches more than 2,000 miles—from Santa Monica, California, to Chicago, Illinois. Nicknamed the Mother Road and celebrated in movies and music, the famous route is lined with historical stops like the Grand Canyon and St. Louis Gateway Arch.

Overseas Highway

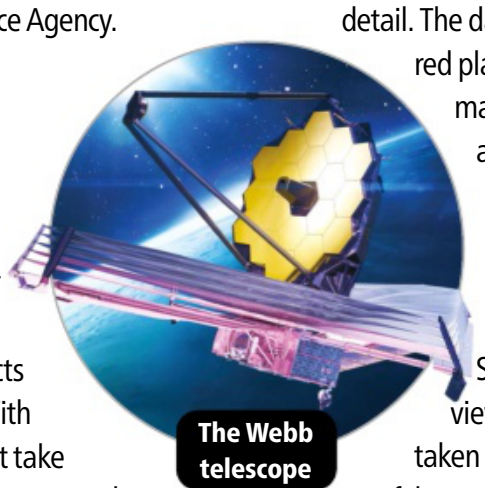
Overseas Highway extends 113 miles between the Florida mainland and Key West. Travelers pass over 42 bridges along the way. In 2009, it was designated Florida's only All-American Road by the US Federal Highway Administration.

A white-tailed buck

Space telescope captures planets

The James Webb Space Telescope, the world's largest and most powerful space telescope, has captured clear views of the planets Jupiter, Mars, and Neptune. Webb, which became fully operational in July, is run by NASA, the US space agency. NASA's partners are the European Space Agency and the Canadian Space Agency.

Webb is equipped with a near-infrared camera and a spectrometer. Infrared light is invisible to the human eye, so it is converted into colors that we can see. The spectrometer examines wavelengths of color to determine what objects and materials are made of. With this equipment, Webb doesn't take pictures in the traditional sense. Instead, it sends data back to Earth, which scientists analyze and turn into pictures.


The Webb telescope

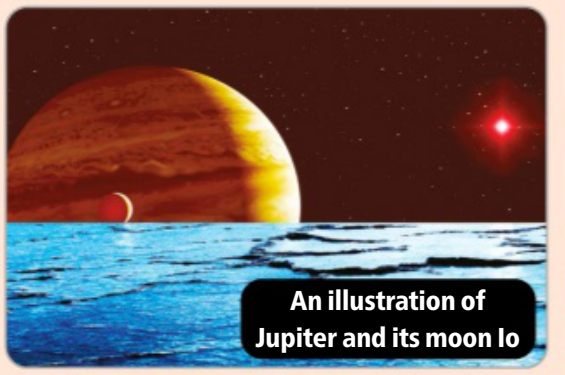
Webb's images of Jupiter were released by NASA on August 22 and show the planet's glowing auroras (colorful areas of light created when particles from the Sun and a planet's atmosphere interact). Jupiter's famous red spot, which is a huge storm system far bigger than Earth, looks white on the new images due to clouds reflecting sunlight. Jupiter's faint rings and two of its moons were also visible. Scientists hope the images will help them learn more about the largest planet in our solar system.

The first images Webb captured of Mars, taken on September 5, show the planet in great detail. The data allow scientists to see the red planet's surface, study its chemical makeup, and observe dust storms and weather patterns. Webb could also help determine whether water exists on Mars.

Webb's images of Neptune, which NASA released on September 21, are the clearest views of the planet and its rings taken in more than 30 years. Some of these rings were last seen in 1989 by a NASA spacecraft called Voyager 2. Webb also captured faint dust rings around the planet and seven of the 14 moons Neptune is known to have.

NASA will continue to release new images. John Mather, the Webb's senior project manager, said data gathered by the telescope will help scientists answer some of the biggest questions they have about space. "We know the Webb images will rewrite our textbooks," Mather said.

Jupiter's many moons


An illustration of Jupiter and its moon Io

Jupiter has 53 named moons, but scientists believe it has as many as 79 in all. The planet's four largest moons are called the Galilean satellites, named after the Italian astronomer Galileo Galilei, who first observed them in 1610. One of these moons is called Io (pronounced EYE-oh), and it is the most volcanically active place in the solar system. It is covered in hundreds of volcanoes, all of which are erupting.

Another of Jupiter's moons is called Europa and is mostly covered in ice. There is evidence that the ice may be covering an ocean of water. Europa is thought to have twice as much water as Earth, and scientists think living things could exist there.

Europe's largest dino discovered in yard

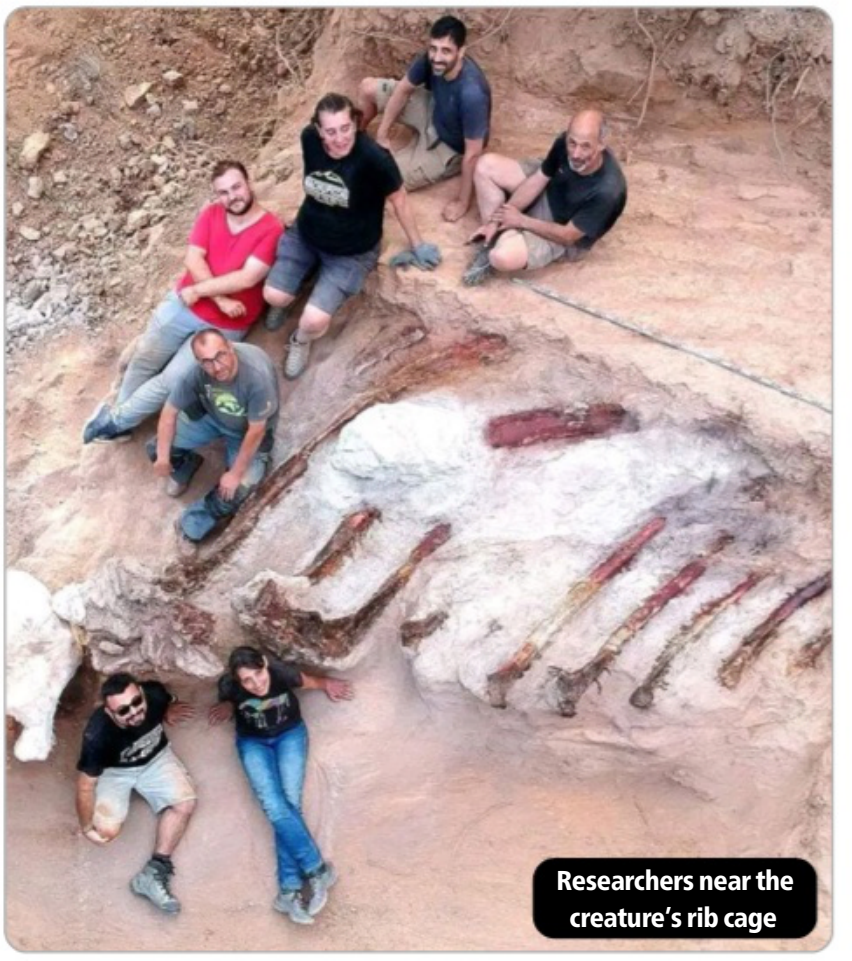
A garden in Portugal might hold the remains of Europe's largest dinosaur. Paleontologists (scientists who study fossils) found fossils of a creature more than 82 feet long and about 39 feet tall that weighed about 48 tons.

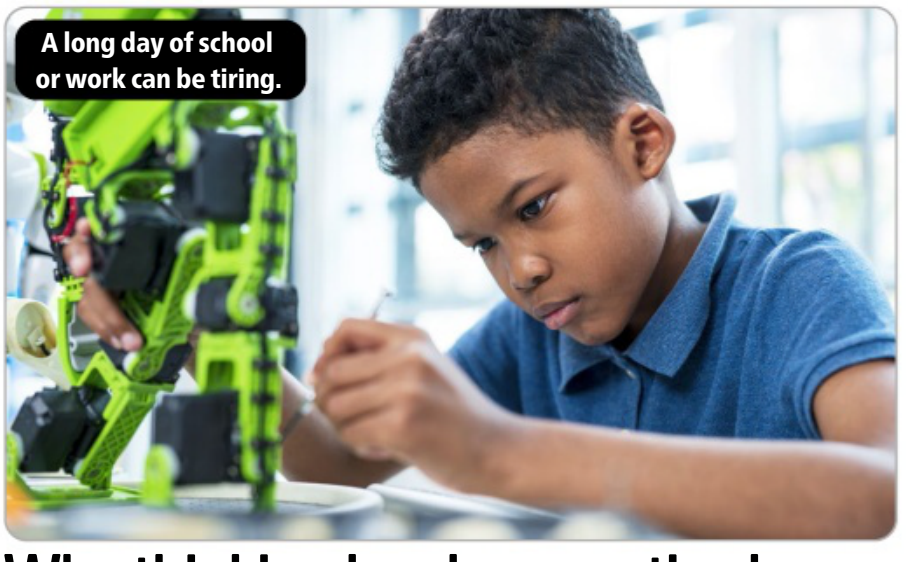
In 2017, a landowner in central Portugal saw pieces of bone while digging up his garden for a construction project. Experts who investigated found parts of a spine and ribs. Then, in August, a team of Portuguese and Spanish paleontologists dug up an entire rib cage that was well preserved and nearly 10 feet long.

DENTAL DETAILS
Dinosaurs called sauropods had teeth that were often shaped like pencils or spoons.

The bones appear to belong to a brachiosaurid, a subgroup of the long-necked dinosaurs known as sauropods. Brachiosaurids had long front legs and necks shaped like noodles, which helped them eat leaves from treetops. The Brachiosaur species that most closely matched this skeleton was Lusotitan atalaiensis, which lived 152 million years ago. However, this one is larger than any L. atalaiensis fossil found before. "It is possible to believe that we can be in the presence of a new specimen of this poorly known sauropod, which is very exciting," said Francisco Ortega, a member of the team.

Another possibility is that the bones belong to a different species of dinosaur that has not been identified. Scientists will return to the site next year to see if more of the skeleton can be found. Meanwhile, they will continue studying this prehistoric giant.


Researchers near the creature's rib cage


A long day of school or work can be tiring.

Why thinking hard causes tiredness

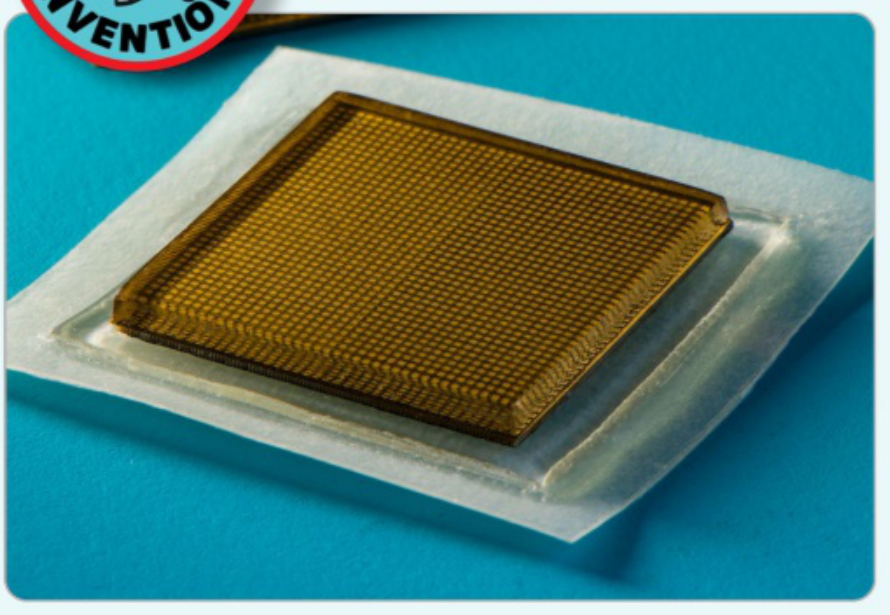
Scientists in France are closer to knowing why people are tired after they've been thinking hard. The team split study participants into two groups and asked them to perform cognitive (intellectual activity, such as thinking or learning) tasks, such as recalling a number they were shown earlier. One group was given harder versions of the tasks than the other.

The team found that participants who did the harder tasks had higher levels of glutamate, a chemical in a part of the brain that deals with decision-making. They were also more likely to choose an immediate cash reward at the end of the test over a later, larger cash reward. The team believes the higher levels of glutamate indicated cognitive fatigue, which led people to pick the reward that required the least effort.

Next, researchers will try to confirm these connections. The results could help people whose jobs require intense focus, like surgeons.

AMAZING INVENTION

A wearable patch for ultrasounds



Scientists have created a patch that can take ultrasounds (scans that use sound waves to make images of what's inside the body). Ultrasounds usually require high-tech equipment and trained technicians.

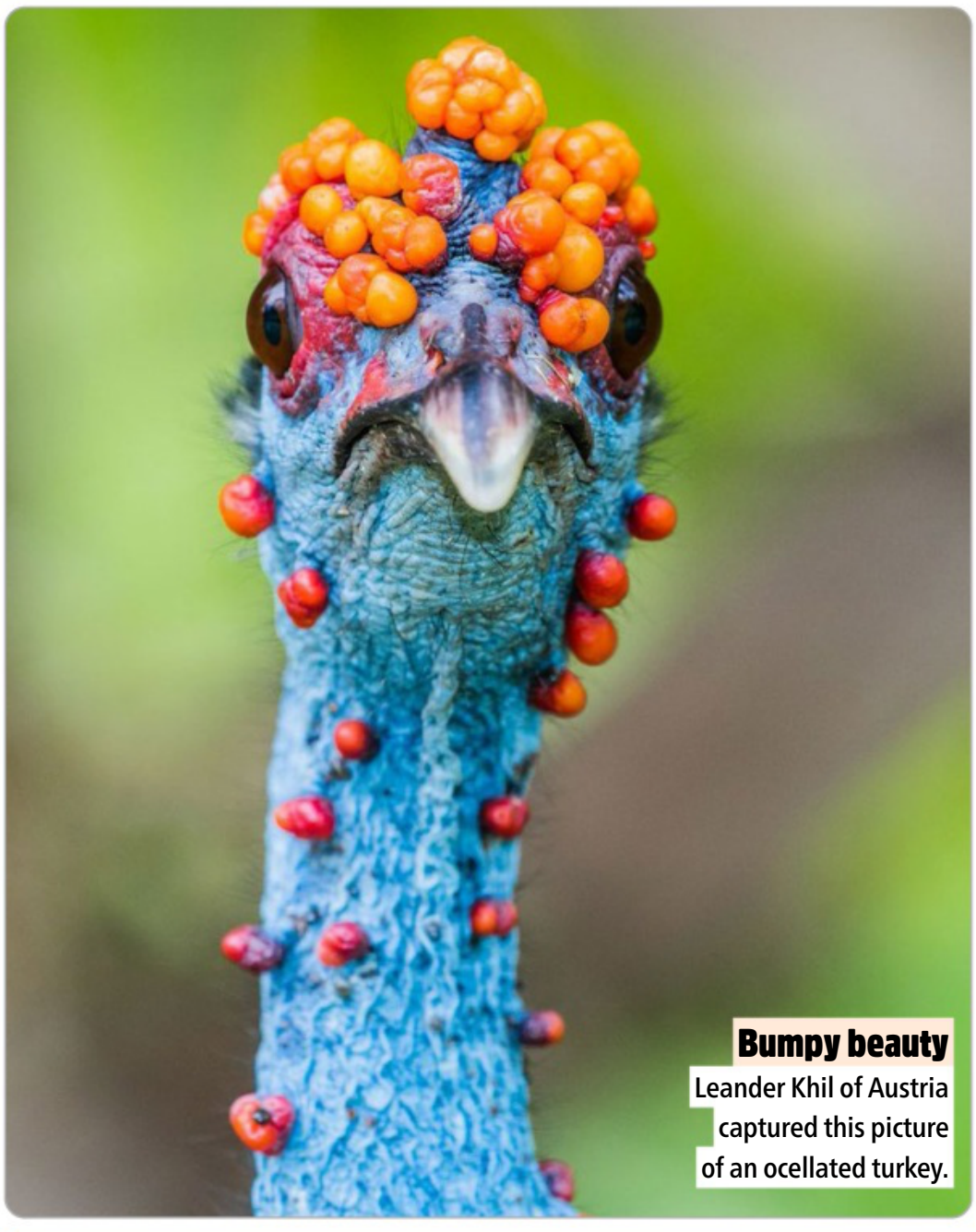
The patch is about the size of a postage stamp and has a flat transmitter that produces sound waves. When attached to test subjects, it produced clear images of internal organs, such as the heart and blood vessels. The team hopes the patch could be a cheaper, more convenient way for people to monitor health conditions.

COURTESY OF INSTITUTO DOM LUIZ/FACULTY OF SCIENCES/UNIVERSITY OF LISBON, PORTUGAL; GETTY IMAGES; FELICE FRANKEL; ON LEFT PAGE: JUDY SCHMIDT AND RICARDO HUESO (UPV/EHU); GETTY IMAGES (2)

Photos of the week

Deep dive
Henley Spiers of the UK took this image of a seabird swooping down.

Soaring sight
Erlend Haarberg of Norway, Bird Photographer of the Year, captured a ptarmigan taking flight.



Bumpy beauty
Leander Khil of Austria captured this picture of an ocellated turkey.

ERLEND HAARBERG; LY DANG; TAMÁS KONCZ-BISZTRICZ; HENLEY SPIERS; RICHARD FLACK; LEANDER KHIL

Photos of the week

Showy style
This picture of a sage grouse was taken by Ly Dang of the US.

Golden hour
A pied avocet chick is shown in this photograph by Tamás-Koncz-Bisztricz of Hungary.

Perfect pair
A bird couple perches on a branch in this shot by Richard Flack of South Africa.

WOW! Albert Pujols has hit homers off 455 pitchers in his career.

Albert Pujols hitting his 700th homer

Chasing another record

Aaron Judge

When *The Week Junior* went to press, New York Yankees star Aaron Judge had hit 60 homers this season. He was one away from tying the American League's single-season home run record set by Roger Maris of the Yankees in 1961. If Judge hits two more, he will break it.

Pujols hits historic 700th home run

Major League Baseball (MLB) player Albert Pujols of the St. Louis Cardinals made history in a game against the Los Angeles Dodgers on September 23. That night, in his team's 11–0 victory, the first baseman hit the 699th and 700th home runs of his career. Pujols, age 42, is the fourth player in MLB history to reach that home run milestone. He joins former players Babe Ruth (714 career homers), Henry "Hank" Aaron (755), and Barry Bonds (762) in the exclusive club.

Babe Ruth

This is Pujols's 22nd MLB season, and he has announced plans to retire once it ends. He hit only six home runs during the first half of the year but smashed 15 round-trippers after the All-Star break in July. On September 11, he surpassed former New York Yankees star Alex Rodriguez's career total of 696 home runs.

Baseball fans have been excited to see his home run tally continue to rise, but Pujols said he has always focused on improving his game and "winning championships."

Pujols was born in the Dominican Republic and moved to the US at age 16. He was a star in high school and signed with the Cardinals after one year of playing at the college level. He has put together one of the best careers in MLB history and will go down as one of the sport's all-time greatest players. He won the 2001 Rookie of the Year award and was named Most Valuable Player three different times. He has been named to 11 All-Star teams and earned two Gold Glove awards for his defensive skills. He spent most of his career with the Cardinals but also played for the Dodgers and the Los Angeles Angels. Pujols won two World Series titles, both with the Cardinals, and could help lead the team to another championship this fall.

Even if the Cardinals go far in post-season play, it seems unlikely that Pujols will be able to catch up to Ruth's number. He called his 700-homer milestone "pretty special," and said, "When it's really going to hit me is when I'm done, at the end of the season, when I'm retired, and probably a moment or two after that I can look at the numbers."

THIS WEEK'S WINNERS...

RUNNING

On September 25, Kenyan runner Eliud Kipchoge won the Berlin Marathon in Germany. He finished the 26.2-mile race in 2 hours, 1 minute, 9 seconds, breaking the marathon world record by 30 seconds. Kipchoge set that record himself in 2018. Tigist Assefa of Ethiopia won the women's race with a time of 2 hours, 15 minutes, 37 seconds. The winning times combined to make it the fastest marathon ever.

Kelsey Plum

WOMEN'S BASKETBALL

On September 26, Team USA set a competition record for the most points scored at the FIBA Women's World Cup. They beat South Korea, 145–69.

SURFING

At the 2022 ISA World Surfing Games on September 24, Team USA's Kirra Pinkerton won the women's title and Team Japan's Kanoa Igarashi won the men's title. The American women and Japanese men each secured one spot at the 2024 Olympics.

FUN FACT
Roger Federer was 8 years old when he began playing tennis.

Roger Federer at the Laver Cup

Tennis legend plays final match

On September 23, Roger Federer, one of the greatest tennis players of all time, hit the court for the final professional match of his career. At age 41, he is retiring after 24 years as a pro. Federer played at the Laver Cup, an annual men's tournament at the O2 Arena in London, England, that was held from September 23 to September 25.

At the Laver Cup, a team of top players from Europe competes against a team made up of top players from the rest of the world. Federer, who is from Switzerland, was on Team Europe with players that included Rafael Nadal from Spain and Novak Djokovic from Serbia. Federer, Nadal, and Djokovic dominated men's tennis for more than a decade.

Federer chose to commit only to a doubles match at the Laver Cup. He was paired with Nadal. Even though they have been longtime rivals, the pair are also friends. Before the match, Federer said he thought that their good relationship sends "a great message . . . to not just tennis but sports and maybe even beyond." In a close match, the pair were defeated by Americans Frances Tiafoe and Jack Sock from Team World, 6–4, 6–7, 9–11. (There is no tie-break in the third set at the Laver Cup.) Team World ended up winning the entire tournament.

Inside the O2 Arena, honoring Federer's achievements was more important to players and fans than the outcome of his match. During his career, he spent a total of 310 weeks as the number one player and won 20 Grand Slams, the most important tournaments in tennis. After his match, an emotional Federer said the day felt like a celebration: "It's exactly what I wanted at the end, exactly what I hoped for."

COACH OF THE WEEK

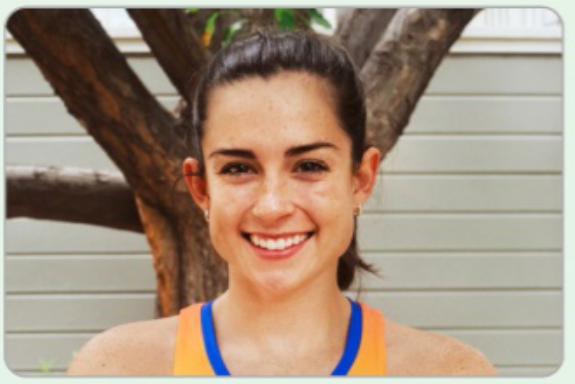
Coach's Name: **Erin Allen**

Team: **The Blue Devils (soccer)**

"Coach Erin is nice, great at soccer, and gets us motivated. Every time I see her, she feels like family. She's funny and says it's OK when we mess up. She pushes us to be great and makes sure we have a good time. She always has a good attitude. What I like most are her genuine smile and excitement for her players. Because of her, I am a better soccer player today!" Gabby, 10, New York

To nominate a Coach of the Week, send your coach's name, photo, sport, and team to *hello@theweekjunior.com.* Include your name, age, state, and a few reasons why your coach is great.

SPOTLIGHT ON...



Abby Nichols

AGE: 25 SPORT: DISTANCE RUNNING
TEAM: HOKA NAZ ELITE

Starting block I did little-kid track in grade school and was pretty good, but I was more into gymnastics. My freshman year in high school, I tried track and quit after three days. I didn't like it. The next year, I tried it again. I knew it was going to be hard but would get easier if I stuck with it longer. Things started clicking, and I ended up loving it.

Aiming high I'm kind of short, and I feel like people think distance runners are tall. I always looked up to runners who looked like me, like Team USA's Emily Infeld, who is 5-foot-4. It made me believe I could do what they could do.

Going far It took me a long time to find my stride in college. I'm proud I didn't give up. I was an All-American at the University of Colorado, and being able to sign a pro contract has been huge.

Running perk I like how running gets me outside and in nature. But I also love racing and running fast, so that gets me out the door, too.

Wise words A teammate once told me that someone having a better day than me doesn't always mean I failed. I repeat that in my head a lot.

Weekly pace These days, I run about 60 to 70 miles a week. Training a lot can be dull and repetitive, so if I'm getting burned out, I try to recognize that and do what makes me happy. I love board games and the card game Euchre.

Her advice Don't be afraid to try something new, and don't be afraid to be bad at something. If you can be OK with not being the best, you can grow so much.

ON THIS PAGE: GETTY IMAGES (2); HOKA NAZ ELITE; ON LEFT PAGE: GETTY IMAGES (4)

WOW! There are more than 700 trillion Antarctic krill, a tiny crustacean, in the Southern Ocean.

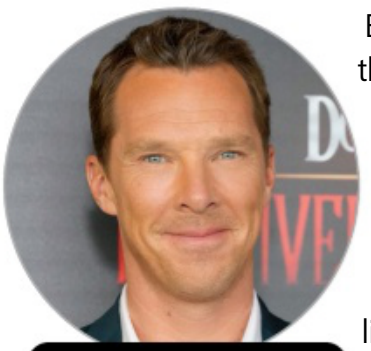
From left: a mongoose, an anole lizard, and a little devil poison dart frog

High-tech look at amazing wildlife

Super/Natural uses special cameras and visual effects to reveal animals' incredible powers.

Using cutting-edge technology and scientific innovation, the new National Geographic documentary series *Super/Natural* reveals the hidden powers of some of the world's most extraordinary animals. All six episodes are now streaming on Disney+.

James Cameron, the award-winning director behind the hit sci-fi film *Avatar* and its upcoming sequel, was an executive producer of the series. He motivated the team to use visuals, music, and other elements that would set it apart from other wildlife shows.



Benedict Cumberbatch

"We tried to have fun with the storytelling to see the human side in these animals," executive producer Tom Hugh-Jones told *The Week Junior*. The series is narrated by actor Benedict Cumberbatch, who plays Doctor Strange in Marvel films.

Each episode centers around a theme, such as alliances, rivals, or journeys in search of food. One amazing creature featured in the series is the tiny anole lizard, which escapes prey by diving underwater and using air trapped in their scales like a scuba tank. Special thermal cameras show how Japanese honeybees vibrate their bodies so they become hot enough to roast an attacking hornet.

The series uses visual effects to help viewers understand certain animals' traits—for example, animation-like effects to depict the inside of a polar bear's nasal passages. "We wanted to show how it can pick up the scent of a seal from a certain direction—but you can't see smell," said Hugh-Jones. "Visual tools help."

A goal of *Super/Natural* is to give viewers a new respect for the fascinating side of nature. "We're only just touching the surface of our understanding of what these animals are really capable of—and these incredible, almost alien-like abilities they have," Hugh-Jones said.

3 animals in the show

Burrowing owls

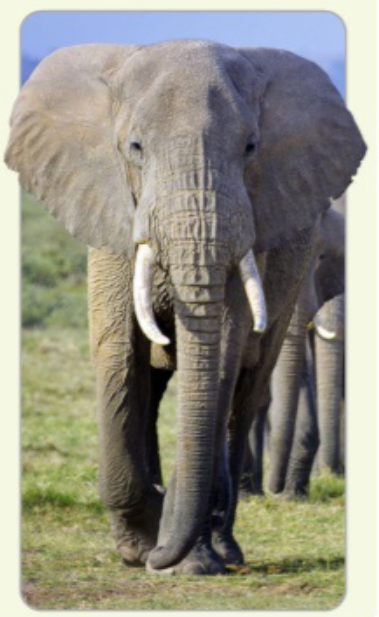
They live mainly underground. Bison roam near their burrows, so the owls mimic the sound of rattlesnakes to keep the bison from pushing dirt into their homes.

Devil rays

To attract partners, the sea creatures leap more than six feet into the air, creating sonic waves through the water. During filming, *Super/Natural* caught orca whales fishing for the rays. It was the first time this was caught on camera.

African elephants

These are the largest animals walking on Earth, and they travel in herds. The show features a herd protecting a newborn calf by covering it in dirt so nearby predators can't detect its smell.



NATIONAL GEOGRAPHIC FOR DISNEY+/ROBIN COX; NATIONAL GEOGRAPHIC FOR DISNEY+/CHRIS WATTS (2); NATIONAL GEOGRAPHIC FOR DISNEY+/MATT POOLE; GETTY IMAGES (3)

DID YOU KNOW?
In Indonesia, a person is considered an adult at age 15.

The *Growing Up* Heroes

Young people share personal stories

The new Disney+ documentary series *Growing Up* aims to help young people realize they are not alone when it comes to their feelings and experiences. The show features people ages 18 to 22 talking about their lives when they were younger. It covers topics such as body image, living with a disability, and mental health.

The idea for the series came from *Captain Marvel* star Brie Larson, who is an executive producer. Larson realized she felt "unlovable," and discussions with friends and family helped her feel better. "She wanted to have a show that talked about things that we feel shame about," executive producer Nicole Galovski told *The Week Junior*.

The 11 individuals on the show are called Heroes. As with typical documentaries, the series uses photos and re-enactments to illustrate past events, but one of the elements that makes *Growing Up* unique is that the Heroes sit in a group together and tell one another their stories. "It shows a model of how you can share with other people and listen," Galovski said.

She hopes that by watching the show, viewers will find comfort and also become more aware of what other people around them might be going through. "I want it to produce not only feelings of community and understanding that you're not alone, but also feelings of empathy," she said.

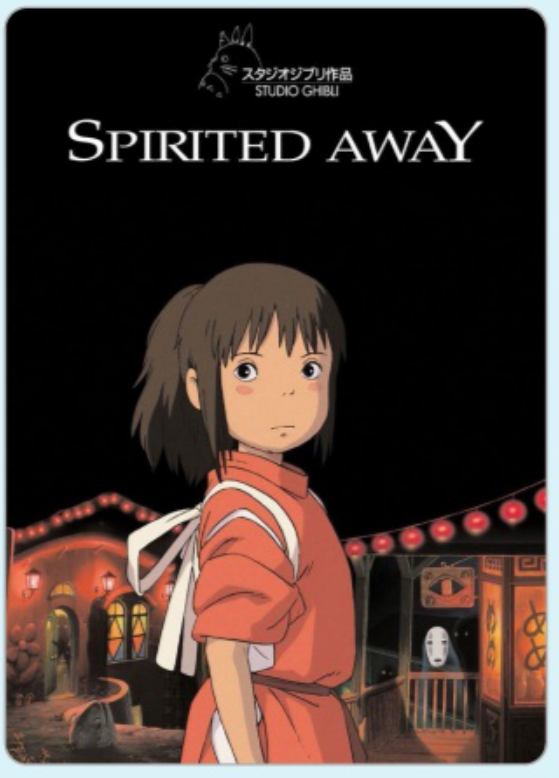
MOVIE NIGHT

If you're looking for a film to watch with family or friends, consider this pick of the week.

Spirited Away (2001)

PG

HBO Max



This award-winning animated film is by legendary Japanese filmmaker Hayao Miyazaki of Studio Ghibli. It follows Chihiro, a 10-year-old girl who is upset with her parents because her family is moving. On the drive to their new town, they get lost and stumble upon a seemingly abandoned amusement park. After her parents eat food on display, the pair morph into pigs. Scared and confused, Chihiro discovers she is stuck in a spirit-filled world where humans become animals. It is ruled by the powerful and evil witch Yubaba, who changes Chihiro's name to Sen and puts her to work. Chihiro makes a friend who warns that she and her parents must get out before she forgets her former identity. Will they be able to escape before it's too late?

THIS WEEK'S WATCH LIST

Monster High: The Movie

(Paramount+, Nickelodeon)

Based on the animated series *Monster High*, this live-action movie musical follows Clawdeen, a half-human, half-werewolf teen. At school, her classmates are children of famous monsters. Just as she starts fitting in, an evil plot that could expose her half-human side emerges.

Nailed It! Halloween

(Netflix)

This hit competition series, where amateur bakers hilariously fumble in the kitchen as they re-create fancy desserts, is back with new Halloween-themed episodes. The trick is that they will have to make spooky creations. The treat for the winner is a $10,000 cash prize.

Pokémon: The Arceus Chronicles

(Netflix)

In this animated special, Ash, Pikachu, Goh, and Dawn receive a mysterious message from the Mythical Pokémon Arceus and uncover a plot by Team Galactic that threatens the world. The heroes must band together to open a gate between the dimensions to save everyone.

DISNEY/ANTHONY ARTIS; NICKELODEON/PARAMOUNT+; NETFLIX; THE POKÉMON COMPANY INTERNATIONAL; STUDIO GHIBLI

FUN FACT
Jodhpur, India, is known as the "Blue City" because many buildings are painted that color.

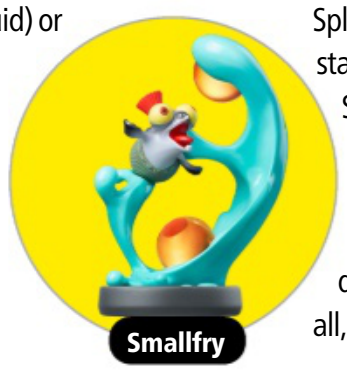
Splatoon 3

Enjoy a wild game of paintball

Splatoon 3 is a new arcade-style paintball battle game. It was made exclusively for the Nintendo Switch. The first Splatoon was released in 2015 for the Nintendo Wii U, and the sequel came out in 2017 on the Switch.

The series is set in a distant future where different aquatic creatures rule the world. Gamers play as Inklings (kids that can morph into squid) or Octolings (kids that can turn into octopuses). Both can transform on the battlefield to either swim or run through the ink.

The biggest part of Splatoon 3 is the wild multiplayer ink wars. The main hub is the city of Splatsville, which has plenty of spaces for epic battles. Locations include Hagglefish Market and Wahoo World theme park. They are filled with obstacles that add to the fun. Players use weapons including ink shooters, stringers (bows), and paint rollers to cover as much of the battleground with their team's ink color as possible. After three minutes, the team that has claimed the most territory wins. As you earn points and experience, you'll be able to get gear that gives characters special abilities.



Smallfry

Splatoon 3 also has a story mode set in an underground shelter with stages to conquer and color, plus a Salmonid companion named Smallfry. That game has some crossover with a multiplayer co-operative mode called Salmon Run: Next Wave, where your goal is to beat Boss Salmonids and collect their golden eggs.

There's a lot to do in Splatoon 3 if you have time, but the quick multiplayer games deliver plenty of fun on their own. After all, virtual messes that don't require any cleanup are the best.

PODCAST OF THE WEEK

TERRESTRIALS

terrestrialspodcast.org

This new six-episode miniseries features stories about strange creatures and phenomena on Earth. As you learn about the surprising side of nature, you'll hear from experts including scientists, artists, and surfers. The shows are also filled with original songs.

APP OF THE WEEK

DISNEY MIRRORVERSE

Apple App Store, Google Play

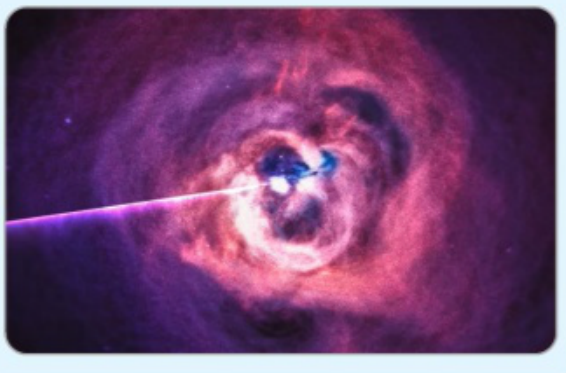
Disney and Pixar heroes and villains team up to stop a monster army in this role-playing game. Uncover the main story by completing missions, and unlock new characters in "event quests." Along the way, you'll explore dungeons and compete in them as you interact with other players.

VIDEO OF THE WEEK

BLACK HOLE SOUND

tinyurl.com/TWJUS-BlackHole

A black hole is an area in outer space where gravity is so strong that light can't be seen. If you wonder what one sounds like, check out this video from NASA (US space agency), which released an audio clip that remixes sound waves coming from a black hole at the center of the Perseus galaxy.



NINTENDO (2); RADIOLAB/WNYC STUDIOS; DISNEY/KABAM GAMES, INC.; NASA

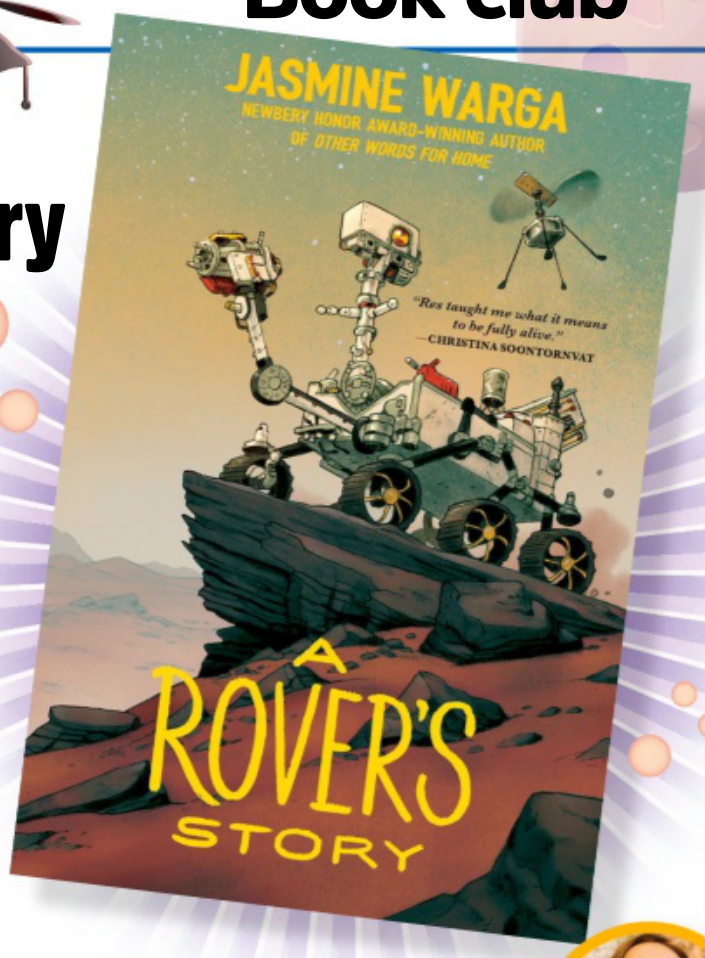
BOOK OF THE WEEK

A Rover's Story

By Jasmine Warga

(Balzer + Bray)

Resilience is a rover, a robot vehicle being built to explore Mars. Even though robots aren't supposed to have feelings, Resilience (nicknamed Res) has lots of them. He worries he won't be good enough to find signs of water on Mars. He's sad to leave Rania and Xander, the scientists who have built him. While the launch goes off as planned, it takes seven months for Res to land on Mars. There are many tense moments along the way, and the whole time Res wonders whether he'll be able to return to Earth one day. While this book is told mainly from the perspective of Res, letters from Rania's daughter are mixed in. She used to be jealous of the time her mom spent with Res, but now she's rooting for him. The ending is both happy and sad. This book may remind you of *The Wild Robot*.



WIN A BOOK!

We're giving away five copies of *A Rover's Story*.

For a chance to win, send your name and address to *contests@theweekjunior.com* with "Rover" in the subject line. Enter by midnight on October 21. See theweekjunior.com/terms for complete rules.

ASK THE AUTHOR

Jasmine Warga

We spoke to the author of *A Rover's Story*.

What inspired this book?
I got the idea while watching the launch of Perseverance, NASA's Mars rover. My daughter asked, "Do you think the robot is scared?"

What interests you most about Mars?
Trying to figure out what Mars was like in the past. The clues scientists have discovered make it seem like Mars used to have water. And if it used to have water, was it previously home to life?

Did you love outer space as a child?
Yes, I remember making papier-mâché planets in school and hanging them from the classroom ceiling.

Why write about science?
Our world is an amazing place, and I love to use fiction to explore real-world concepts.

What are three words to describe this book?
Daring, touching, and imaginative.

READER RECOMMENDS

Starfish *By Lisa Fipps*

"*Starfish* is a book about bullies, self-care, and self-acceptance. At her middle school, Ellie realizes after a friend moved away that she no longer has a 'fat friend.' Everyone calls her Splash after a birthday party at a pool. Ellie needs to figure out a way to tell everyone she doesn't mind being fat, but the way people treat her stings. Ellie wants to be able to just be her true starfish self." Sehee, 11, Virginia

Do you have a book to recommend? Send your review to *hello@theweekjunior.com*.

4 special editions of bestselling books

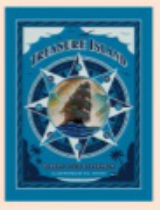
These picks have updated designs, bonus material, extra content, and more.

Slappy, Beware!

By R.L. Stine

(Scholastic)

To celebrate the 30th anniversary of the popular Goosebumps series, author R.L. Stine has created a new origin story for the villain Slappy. It involves an evil magician and a ruined cake. This special-edition hardcover features jokes and original artwork. *Ages 8–12*

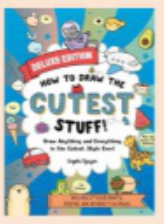


Treasure Island: Deluxe Edition

By Robert Louis Stevenson, illustrated by N.C. Wyeth

(Union Square Kids)

Published in 1881, *Treasure Island* is about a captain who is searching for a buried chest of valuables on a deserted island. The captain also fights a band of pirates led by Long John Silver. This new version includes drawings and a ribbon bookmark. *Ages 8–12*

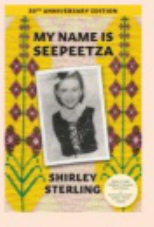


How to Draw the Cutest Stuff! Deluxe Edition

By Angela Nguyen

(Union Square Kids)

This book helps you practice drawing lions, giraffes, astronauts, and more. It also includes information to help you master drawing facial expressions. This new version contains four extra pages of stickers, a poster, and a flap that turns the book into an easel. *Ages 6 and up*



My Name Is Seepeetza

By Shirley Sterling

(Groundwood Books)

This book chronicles a 12-year-old's harsh experience at a boarding school in the 1950s. During that time in British Columbia, Canada, the law required that all Indigenous children be sent to a school like this one. This 30th anniversary edition contains extra material written by a famous Canadian playwright. *Ages 9–12*

BOOKS: COURTESY THE PUBLISHERS; AUTHOR: LILLIAN WARGA; GETTY IMAGES

Do crossword puzzles

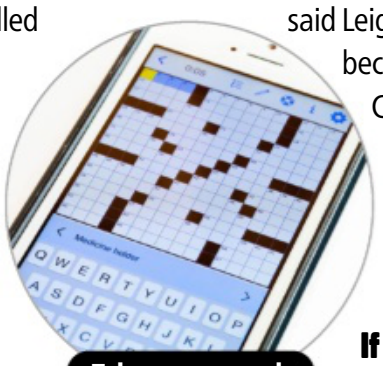
Try these tips to improve your skills at completing these fun word games.

Crossword puzzles are a type of word game in which a list of clues corresponds to a pattern of numbered squares going across and down. They are one of the world's most popular word games, and besides being a fun challenge, completing them can improve a person's vocabulary and spelling skills.

We often feature crosswords on our weekly Puzzles page (p26). So who better to advise on improving crossword skills than the people who create those puzzles for us? They work at a company called Puzzability, and here are their best tips.

Understand how crosswords work

Crosswords are a combination of trivia and word puzzles. "Every word you fill in gives you information to correctly guess the other words," said Robert Leighton, one of Puzzability's writers. The more answers you fill in, the more letters you have for the answers to other questions.


Take a guess and see what happens!

Start with what you know

Instead of answering the clues in numbered order, try starting with any clue you think you know the answer to. "It's fun to fill in what you know and use the letters from those words to work out the words you don't get right away," said Amy Goldstein, another Puzzability writer. Once you've filled in the answers that come to mind immediately, go back and revisit the other clues.

Use clues wisely

Crossword puzzles often include "fill in the blank" clues. The clue could be "Happily _____ after," and the answer is "ever." These tend to be easier than other clues to figure out, so you might want to do them first, said Leighton. In addition, the wording of a clue can help you know what kind of word the answer will be, such as an adjective, noun, or verb. "If the clue is 'Intelligent,' which is an adjective, the answer might be 'smart' or 'bright,'" said Leighton. But it wouldn't be Einstein, because that's not an adjective. Another tip: Clues that use plurals will have plural answers. That doesn't mean the word will always end in S, however. The clue "Scurrying rodents" might mean "rats," but "mice" could also be the answer.

If you're stuck, keep trying

One common issue you might have when solving crosswords is finding out that the answer you think is correct won't fit. In that case, try to think of similar words. For example, If the clue is "You might drink from it" but "glass" is the wrong length, you could try "fountain" or "cup." It also can help to set the puzzle aside and come back to it later. When you look at it with fresh eyes, you may come up with a word you hadn't thought of before. If you can't figure out a word, it's OK to look it up in the answer key. "Then you'll be more likely to get it correct next time," says Goldstein.

Introducing our puzzle creators

We asked the people who make *The Week Junior*'s puzzles to share details about their work.

Mike Shenk

Q: How did you get your start?

A: I made puzzles for my family when I was a child. When I got to college, I made daily crosswords for my student newspaper, and that's when I thought it would be cool to become a puzzle writer for a living.

Robert Leighton

Q: What do you like most about your job?

A: I really like writing puzzles, but I also like the part of my job that involves solving the puzzles that my partners write. We do this to make sure there are no mistakes in each other's puzzles and that the clues are just right. I also love hearing from people who enjoy our puzzles. That's a great feeling.

Amy Goldstein

Q: What's your favorite type of puzzle?

A: I enjoy completing puzzle hunts, which are sets of puzzles all written about one topic. You have to solve a series of puzzles that fit into a final puzzle to get a final answer about that one topic. Another one of my favorite puzzles is similar to a crossword, but instead of words going straight across and down, they go in unusual directions, such as backward or winding.

WARNING!
Ask an adult's permission before using the oven.

WOW!
There are over 7,500 types of apples grown worldwide, with more than 2,500 of those grown in the US.

Bake pull-apart apple bread

Ingredients

- 2 tablespoons all-purpose flour
- 2 tablespoons light brown sugar
- 2 teaspoons cinnamon, divided
- 2 tablespoons old-fashioned rolled oats
- Pinch of salt
- 4 tablespoons unsalted butter, divided
- 2 Granny Smith apples, peeled
- 1 tablespoon granulated sugar
- 1 teaspoon pure vanilla extract
- One 16-ounce can refrigerated biscuit dough (such as Pillsbury Flaky Layers)
- Store-bought caramel sauce for topping (optional)

Instructions

1. In a small bowl, combine the flour, brown sugar, 1 teaspoon cinnamon, oats, and salt. Using your fingers, pinch 2 tablespoons of cold, cubed butter into the flour mixture until incorporated, then set crumble aside.

2. Butter a 9" x 5" loaf pan and line with parchment paper, leaving an overhang on the 2 long sides. Heat oven to 350° F.

3. In a medium bowl, grate the apples on the large holes of a box grater, then carefully squeeze out most of the juices. Mix the apples, 1 teaspoon cinnamon, and granulated sugar together until combined.

4. In a small bowl, combine 2 tablespoons melted butter and vanilla. Open the can of biscuit dough and carefully separate the biscuits. Use your hands to gently peel each biscuit into 2 pieces. Working with 2 pieces at a time, brush both sides of the biscuits with the melted butter mixture.

5. Sandwich about 1 tablespoon of the apple mixture between two of the buttered biscuits. Carefully arrange the biscuit along a short side of the prepared loaf pan so the biscuit is standing on end. Repeat with remaining biscuits and apple mixture.

6. Sprinkle the prepared crumble over the biscuits and bake for about 35 minutes or until puffed and golden. Remove from oven and let cool 5 minutes before removing from the pan. Serve with caramel sauce for drizzling on top.

ECO TIP OF THE WEEK
SHOP AT FARMERS' MARKETS THIS FALL

At farmers' markets, workers from local farms bring the food they grow and make to sell to other people. Many communities hold them weekly at the same time and place. Shopping for some of your groceries at farmers' markets is good for the environment because most of the food is produced locally and uses fewer resources, such as fuel, to get them to you. It's also nice to support people who work in your community. The fall season is a great time to visit a farmers' market because all the produce grown during the summer has been harvested. Many markets also offer fruit pies, jams, and other foods made from in-season produce.

ERIC CLARK FOR STONE KITCHEN CREATIVE; GETTY IMAGES; ON LEFT PAGE: ALAMY (2); ANGELITO JUSAY (3)

Crisscross

Each of these things associated with money fits into this grid. Can you find where each one goes to complete the grid?

4 letters
DIME
LOOT
SAVE

5 letters
CENTS
SPEND

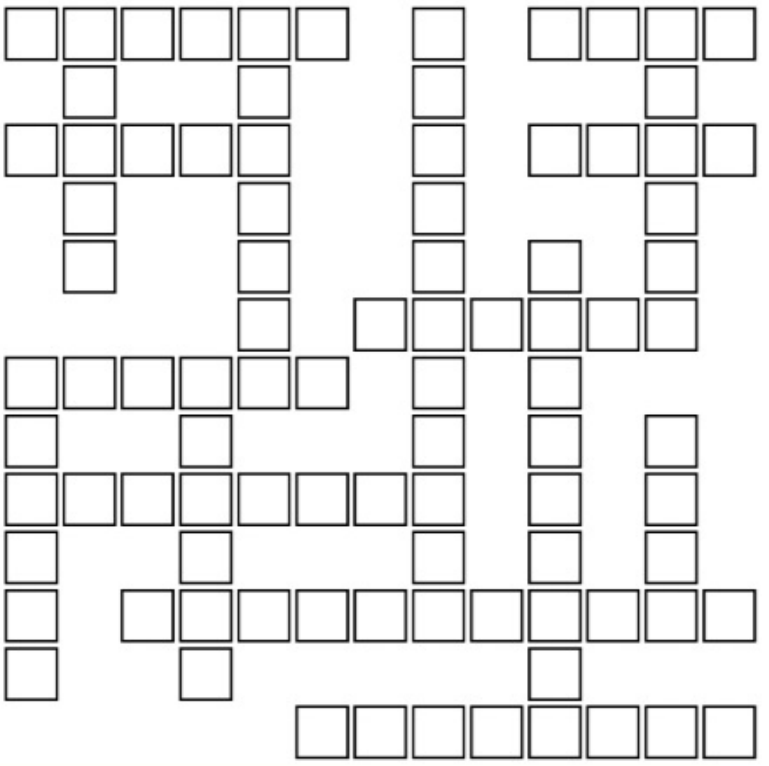
6 letters
CHANGE
COPPER
MOOLAH
NICKEL
US MINT
WEALTH

7 letters
NEST EGG

8 letters
CURRENCY
PURCHASE

9 letters
ALLOWANCE

11 letters
COUNTERFEIT
LEGAL TENDER



Take five

Five 5-letter car parts are hidden in this grid. For each one, the first letter is somewhere in the first column, the second is somewhere in the second column, and so on. Can you find all five?

M	R	L	N	L
B	H	U	E	E
A	O	E	K	R
W	R	T	E	K
T	X	A	O	S

ALL THE SAME

Each answer contains the letters A-R-M. Those letters have been placed for you. Can you figure out the words? (NEED A HINT? Check the bottom of the page.)

1. Prince for Cinderella — ☐☐ARM☐☐☐
2. Hard-shelled animal that can roll into a ball — ARM☐☐☐☐☐☐
3. Winter outerwear that fits like headphones — ☐ARM☐☐☐☐
4. Place to get your prescription filled — ☐☐ARM☐☐☐
5. Refreshing flavor used in gum and toothpaste — ☐☐☐ARM☐☐☐

ANSWERS CAN BE FOUND ON PAGE 29.

SUDOKU

To complete the grid, place the numbers from 1 to 6 exactly once in each row, column, and 2x3 bold-lined box.

		1			5
	6		4		
4				6	
	5				2
		5		3	
2			1		

Spot the difference

These two pictures of a bee at a flower appear to be the same, but take a closer look. There are actually five differences. Can you see them?

PUZZLES BY PUZZABILITY

All the same hint: The last word begins with SP.

That's unbelievable!

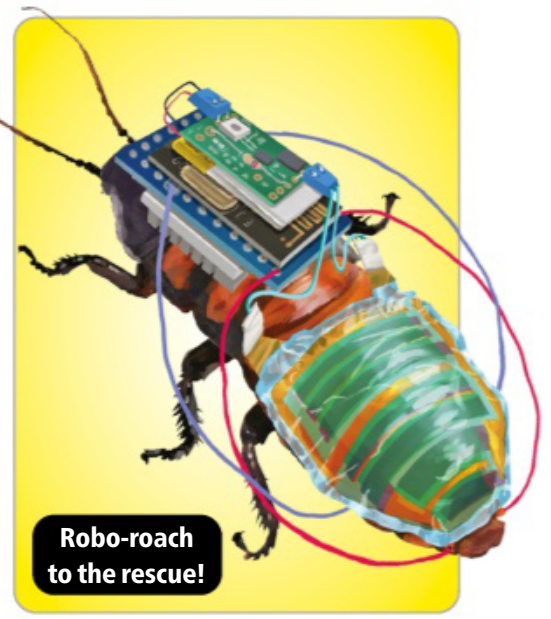
Duane Hansen in the SS Berta

A gourd way to travel downstream

Duane Hansen carved a massive pumpkin—not for Halloween decor, but for a journey down the Missouri River. The Nebraskan paddled 38 miles in his 846-pound pumpkin, which he named the SS Berta. Hansen dodged rocks and sand bars for 12 hours as friends and family cheered him on from the riverbanks. "You've got to be on top of it the whole time," he said. Guinness World Records officials are now reviewing Hansen's application for the title of longest journey by pumpkin boat. The previous record holder, Rick Swenson, traveled 25.5 miles.

Itty-bitty bug packs

Thanks to a group of scientists in Japan, an unpopular pest may actually be able to help humans. The team found a way to control a cockroach's movements by fitting it with a super-light, rechargeable backpack. Using a remote control, they can then send electrical signals to the bug's nerves that prompt it to move in a certain direction. The robo-cockroaches could be sent on search-and-rescue missions or to investigate places that humans can't easily reach.


Robo-roach to the rescue!

"My, what a big smile you have!"

A town cries "wolf"

Oklahoma City residents were howling with laughter after a pet was mistaken for a wild animal. Police received a call about a wolf prowling near a daycare center. Instead, they found a calm canine—a mixed breed wolf-dog—wearing a collar and seeming lost. "Big Bad Wolf?" they wrote on social media. "More like a cuddly puppy." The lost dog was returned to its owner.

Real or fake?

Could a gull be taught to take your lunch?

Gulls learn how to steal fries

A group of scientists was trying to see how seagulls become so good at swooping in to grab snacks. The team trained the birds to change the shape of their wings depending on wind direction so they could achieve maximum speed in different weather conditions. After the study, scientists noticed that local gulls were using the skills they'd learned and were stealing even more fries from unlucky beachgoers. Is this real, or are we flying in the face of the truth?*

He correctly identified 197 flags.

Banner day for a flag enthusiast

A teenager in Lebanon has set a record by identifying all of the world's national flags in exactly four minutes. Hassan Dawy spent most of summer 2021 practicing to achieve the title. The 16-year-old nearly gave up when a teen in Bahrain beat the previous time. But Dawy, a longtime Guinness World Records fan and geography buff, said he "couldn't just let it go." After more than 1,000 attempts, Dawy broke the record by six seconds. "I am now living my dreams," he said.

*Fake! Seagulls figured out how to change their wing shape to steal fries by themselves. The scientists were actually studying the birds' technique to help people build better aircraft, such as drones.

CITY OF BELLEVUE, NEBRASKA/FACEBOOK; RIKEN; OKCPD; GETTY IMAGES (3); SHUTTERSTOCK

Your turn

Editor's note

It's been quite a week in the world of sports (p18–19). On September 23, tennis legend Roger Federer of Switzerland played his last match, on the same team with players who had been rivals throughout his 24-year professional career. Afterward, he spoke with tears in his eyes about his love for the game and his gratitude for his family, fellow players, and fans. The same night, Albert Pujols of the St. Louis Cardinals achieved something only three other Major League Baseball (MLB) players have ever done: He joined what's known as "The 700 Club" upon hitting his 700th career home run. Amid the excitement and standing ovations, he too experienced what the MLB described as "a calamity of emotions." After 22 years, Pujols has said this season will be his last. Like Federer, he is certainly going out with greatness and grace.

Andrea Barbalich
Editor-in-Chief

CHARITY OF THE WEEK

American Childhood Cancer Organization

Founded in 1970, this group supports children who have been diagnosed with cancer. It funds research projects for treatments, as well as helps families get financial assistance for medical bills, travel costs, and more. The group has also published books and journals to help children with cancer share their experiences. Find out more at acco.org.

Helping students manage homework

Graham, 14, Massachusetts

"I love reading *The Week Junior* and wanted to send in something cool I made for this school year. I created a free-to-use site called Ejenda that lets students manage all their schoolwork on one page. It supports adding, tagging, and completing assignments. Students can import assignments directly from Google Classroom and view all their assignments in a list, calendar, and to-do format."

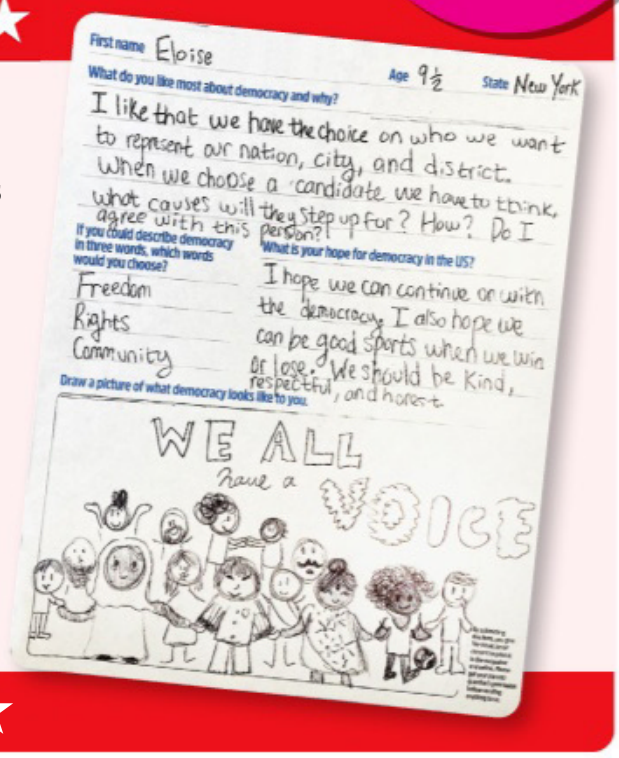
Have you done something interesting or raised money for a cause you care about? Whatever you're up to, we want to hear about it at *hello@theweekjunior.com*.

JOKE OF THE WEEK
What do dentists call the x-rays they take?
Tooth pics

DEMOCRACY IN ACTION

Celebrating our democracy

A founding principle of the United States is that it's a democracy—meaning that citizens hold the power to elect the people who govern them. This year, Election Day will be on November 8. As a reader of *The Week Junior*, you may have opinions about America's democratic process. We want to hear them! Ask a parent or guardian to download a form at theweekjunior.com/activities. Fill it out, then have an adult email it to us at *hello@theweekjunior.com*. We'll feature some of the submissions on this page in future issues.



THE WEEK Junior **IT'S YOUR TURN** Email your news, views, and photos to *hello@theweekjunior.com*.

Your turn

YOUR PHOTOS

We'd love to see pictures you've taken or pictures with you in them! Send them to us at *hello@theweekjunior.com*, along with anything you'd like to tell us about what's in the photo.

"I made bookmarks, and I think they look cool. I'm going to share them with my family." Paz, 9, New York

"I am holding *The Week Junior* while standing on an island in Sitka, Alaska. I spent time salmon fishing!" Finn, 10, Wisconsin

"I enjoy reading to Slinky, my pet Pekin duck!" James, 10, Rhode Island

Teacher OF THE WEEK

Teacher's Name: **Mr. Herriott**

School: **Lincoln Trail Elementary School**

"Mr. Herriott has taught us why and how to love school and learning. He is always encouraging his students to do their best in and outside the classroom. He has a great sense of humor and makes everyone laugh! Keep being awesome, Mr. Herriott!"

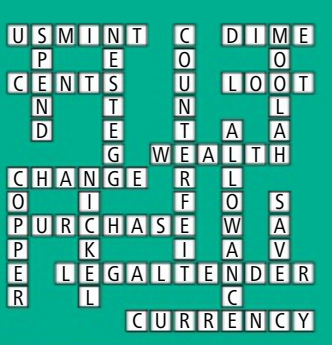
Grant, 11, Illinois

Nominate your teacher for Teacher of the Week! Send your reason for the nomination, a photo of your teacher, and your school's name and address to *hello@theweekjunior.com*.

ON THIS PAGE: GETTY IMAGES; ON LEFT PAGE: GETTY IMAGES

Puzzle answers (from page 26)

3	4	1	6	2	5
5	6	2	4	1	3
4	2	3	5	6	1
1	5	6	3	4	2
6	1	5	2	3	4
2	3	4	1	5	6



Take five
motor
brake
axles
wheel
trunk

All the same
1. Charming
2. armadillo
3. earmuffs
4. pharmacy
5. spearmint

Quiz answers (from page 30)

1 Four **2** c) San Diego **3** True **4** a) 19 **5** Shofar **6** False. It came out in 2015. **7** b) Hockey **8** a) 14 **9** b) Pigs **10** 105 **11** b) Cockroach **12** Rattlesnakes **13** a) Football **14** True **15** Pumpkin

POPJAM

Sign up and follow @theweekjuniorus on PopJam, a social media platform for kids 7–12. Ask an adult to download the app from iTunes or Google Play.

We asked: What extinct animal would you bring back and why?

"The T. rex, because it would be so cool to see an animal that big."

"I would bring back the baiji dolphin because they are so cute and graceful."

"I would bring back a triceratops because it would charge at bullies."

"Dodo birds, so scientists can research them."

In the big debate, we asked: Are school lunch periods too short?

"Yes. Having so little time makes you feel rushed."

"No, but if you don't finish you should be allowed to eat in class."

"I always have extra minutes after I am done eating."

"Yes. My class always gets to lunch late. So we don't get much time."

Now tell us: What is your favorite fall activity and why?

We want to hear from you! To have your letters, photos, nominations, recommendations, or ideas considered for inclusion in the magazine, please include your full name, age, and state with your submission. By emailing your submission to us, you give *The Week Junior* consent to publish it in the magazine and online. Please get your parent/guardian's permission before sending anything to us.

Quiz of the week

How much of this week's news can you remember?

1 Albert Pujols is one of how many players to hit 700 home runs in their Major League Baseball career?

2 Lucas, an African penguin who was recently fitted with new boots, lives at the zoo in what city?

a) Los Angeles b) Oakland c) San Diego

a ☐ b ☐ c ☐

3 True or false? In the book *A Rover's Story*, NASA's Resilience rover has feelings.

True ☐ False ☐

4 Election Day is a holiday in how many US states?

a) 19 b) 25 c) 33

a ☐ b ☐ c ☐

5 What is the name of the instrument blown on the Rosh Hashanah holiday?

6 True or false? The first Splatoon game came out in 2017.

True ☐ False ☐

7 In the show *Mighty Ducks: Game Changers*, actress Lauren Graham plays a mom who coaches what sport?

a) Basketball b) Hockey c) Soccer

a ☐ b ☐ c ☐

8 How many moons is the planet Neptune known to have?

a) 14 b) 53 c) 79

a ☐ b ☐ c ☐

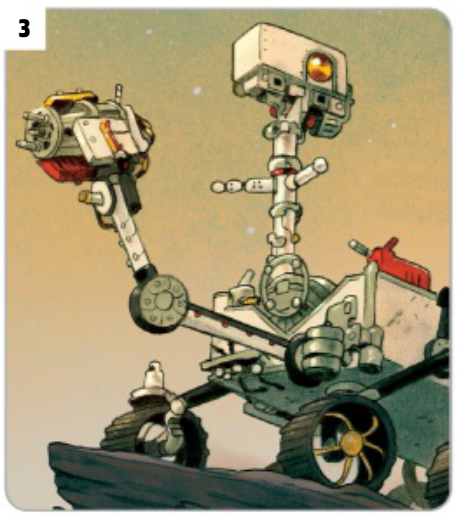
1

2

10

ANSWERS CAN BE FOUND ON PAGE 29.

3



9

9 In the animated movie *Spirited Away*, the main character Chihiro's parents are turned into what animal?

a) Frogs b) Pigs c) Sheep

a ☐ b ☐ c ☐

10 How many miles long is the famous road in Virginia called Skyline Drive?

11 Researchers in Japan found a way to attach a backpack to what type of bug?

a) Ant b) Cockroach c) Fly

a ☐ b ☐ c ☐

12 Burrowing owls mimic the sound of what animals to keep bison away from their homes?

13 What is the most popular high school sport for boys, in terms of participants, in the US?

a) Football

b) Track and field

c) Volleyball

a ☐ b ☐ c ☐

14 True or false? Dogs can cry tears of joy when reunited with their owners.

True ☐ False ☐

15 A Nebraska man paddled 38 miles down the Missouri River in a boat made of what kind of gourd?

THE WEEK Junior

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